

08/31/00
1c690 U.S. PTO

09.05.00

A

PTO/SB/05 (2/98) (modified)
Approved for use through 9/30/2000, OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**NEW UTILITY
PATENT APPLICATION
TRANSMITTAL**

(only for new nonprovisional applications under
37 CFR 1.53(b))

Attorney Docket Number

4443

First Named Inventor

Hirohide Sugahara

Total Pages in this
Submission

50

Express Mail Label No.

EL482477926US

1c612 U.S. PTO
09/653154

08/31/00

APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form (in duplicate)
☒ Check Enclosed
2. ☒ Specification
(preferred arrangement set forth below)
 - ☒ Descriptive Title of the Invention
 - ☒ Cross Reference(s) to Related Case(s)
 - ☒ Statement Regarding Fed sponsored R & D
 - ☒ Background of the Invention
 - ☒ Brief Summary of the Invention
 - ☒ Brief Description of the Drawing(s)
 - ☒ Detailed Description
 - ☒ Claim or Claims
 - ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (when necessary per 35 USC 113)
4. Oath or Declaration
 - a. ☒ New Declaration
☒ Executed
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
5. ☐ Incorporation by Reference (useable if Box 4b is
checked). The entire disclosure of the prior application,
from which a copy of the oath or declaration is supplied
under Box 4b, is considered as being part of the disclosure
of the accompanying application and is hereby incorporated
by reference therein.

ACCOMPANYING APPLICATION PARTS

6. ☒ Assignment & Assignment Recordation Cover Sheet
7. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
8. ☐ Information Disclosure Statement & PTO-1449
☐ Copies of IDS Citation(s)
9. ☐ Preliminary Amendment
10. Small Entity Statement
☐ New Statement enclosed
☐ Statement filed in prior application. Status still
proper and desired
11. ☒ Return Postcard
12. ☐
13. ☐
14. ☐
15. ☐
16. ☐

ADDRESS TO:

Box Patent Application
Commissioner for Patents
Washington, D.C. 20231

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: ____/____

Prior application information: Examiner: _____ Group/Art Unit: _____

18. CORRESPONDENCE ADDRESS

NAME	Albert C. Smith Fenwick & West LLP				
ADDRESS	Two Palo Alto Square				
CITY	Palo Alto	STATE	CA	ZIP CODE	94306
COUNTRY	U.S.A.	TELEPHONE	(650) 858-7296	FAX	(650) 494-1417
Name (Print/Type)	Albert C. Smith			Registration No. (Attorney/Agent)	20,355
Signature	A.C. Smith			Date	8/31/2000

0002/PTO(modified) Rev. 10/95 <div style="text-align: center;">FEE TRANSMITTAL</div> <div style="text-align: center;">TOTAL AMOUNT OF PAYMENT</div> Subtotal (1) + Subtotal (2) + Subtotal (3) = (\$1,666.00)	<div style="text-align: center;">Complete if Known</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td></td></tr> <tr><td>Filing Date</td><td>August 31, 2000</td></tr> <tr><td>First Named Inventor</td><td>Hirohide Sugahara</td></tr> <tr><td>Group Art Unit</td><td></td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Attorney Docket Number</td><td>4443</td></tr> </table>	Application Number		Filing Date	August 31, 2000	First Named Inventor	Hirohide Sugahara	Group Art Unit		Examiner Name		Attorney Docket Number	4443
Application Number													
Filing Date	August 31, 2000												
First Named Inventor	Hirohide Sugahara												
Group Art Unit													
Examiner Name													
Attorney Docket Number	4443												

METHOD OF PAYMENT	FEE CALCULATION (continued)
--------------------------	------------------------------------

1. The Commissioner is hereby authorized to: <input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account. <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account. ¹ <input type="checkbox"/> Charge the Issue Fee set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) to the below mentioned deposit account. Deposit Account Number: 19-2555 Deposit Account Name: FENWICK & WEST LLP <input checked="" type="checkbox"/> Duplicate Copy of this authorization is attached <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Other FEE CALCULATION (fees effective 11/12/98) 4. FILING FEE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> <th>Fee Due</th> </tr> </thead> <tbody> <tr><td>101/\$690</td><td>201/\$345</td><td>Utility Filing</td><td>690</td></tr> <tr><td>106/\$310</td><td>206/\$155</td><td>Design Filing</td><td></td></tr> <tr><td>108/\$690</td><td>208/\$345</td><td>Reissue</td><td></td></tr> <tr><td>114/\$150</td><td>214/\$75</td><td>Provisional Filing</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (1)</td><td>(\$690)</td></tr> </tbody> </table> 2. CLAIMS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103/\$18</td><td>203/\$9</td><td>Claims in excess of 20</td></tr> <tr><td>102/\$78</td><td>202/\$39</td><td>Independent claims in excess of 3</td></tr> <tr><td>104/\$260</td><td>204/\$130</td><td>Multiple dependent claim</td></tr> <tr><td>109/\$78</td><td>209/\$39</td><td>Reissue independent claims over original patent</td></tr> <tr><td>110/\$18</td><td>210/\$9</td><td>Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table>	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	101/\$690	201/\$345	Utility Filing	690	106/\$310	206/\$155	Design Filing		108/\$690	208/\$345	Reissue		114/\$150	214/\$75	Provisional Filing		SUBTOTAL (1)			(\$690)	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	103/\$18	203/\$9	Claims in excess of 20	102/\$78	202/\$39	Independent claims in excess of 3	104/\$260	204/\$130	Multiple dependent claim	109/\$78	209/\$39	Reissue independent claims over original patent	110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent	3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> <th>Fee Due</th> </tr> </thead> <tbody> <tr><td>105/\$130</td><td>205/\$65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127/\$50</td><td>227/\$25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>147/\$2,520</td><td>147/\$2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>115/\$110</td><td>215/\$55</td><td>Extension for response within first month¹</td><td></td></tr> <tr><td>116/\$380</td><td>216/\$190</td><td>Extension for response within second month¹</td><td></td></tr> <tr><td>117/\$870</td><td>217/\$435</td><td>Extension for response within third month¹</td><td></td></tr> <tr><td>118/\$1,360</td><td>218/\$680</td><td>Extension for response within fourth month¹</td><td></td></tr> <tr><td>128/\$1,850</td><td>228/\$925</td><td>Extension for response within fifth month¹</td><td></td></tr> <tr><td>119/\$300</td><td>219/\$150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>141/\$1,210</td><td>241/\$605</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142/\$1,210</td><td>242/\$605</td><td>Utility Issue Fee (Or Reissue)</td><td></td></tr> <tr><td>143/\$430</td><td>243/\$215</td><td>Design Issue Fee</td><td></td></tr> <tr><td>122/\$130</td><td>122/\$130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123/\$50</td><td>123/\$50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126/\$240</td><td>126/\$240</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581/\$40</td><td>581/\$40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>146/\$690</td><td>246/\$345</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149/\$690</td><td>249/\$345</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="3">Other fee (specify):</td><td></td></tr> <tr><td colspan="3">Other fee (specify):</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (3)</td><td>(\$40)</td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">(Col. 1)</th> <th colspan="2">(Col. 2)</th> <th colspan="2">(Col. 3)</th> <th colspan="2"></th> <th colspan="2"></th> </tr> <tr> <th>For</th> <th>No. of Existing Claims</th> <th>minus*</th> <th>Highest No. Previously Paid For</th> <th>=</th> <th>Extra**</th> <th>x</th> <th>Fee</th> <th>=</th> <th>Fee Due</th> </tr> </thead> <tbody> <tr> <td>TOTAL</td> <td>15</td> <td>minus*</td> <td>20 or 0</td> <td>=</td> <td>0</td> <td>x</td> <td>18</td> <td>=</td> <td>0</td> </tr> <tr> <td>INDEP</td> <td>15</td> <td>minus*</td> <td>3 or 0</td> <td>=</td> <td>12</td> <td>x</td> <td>78</td> <td>=</td> <td>936</td> </tr> <tr> <td colspan="10">[] First presentation of multiple dependent claim</td> </tr> </tbody> </table> <div style="text-align: right;"> SUBTOTAL (2) (\$936) <small>* Subtract the greater number of Col. 2 ** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3</small> </div>	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	105/\$130	205/\$65	Surcharge - late filing fee or oath		127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet		147/\$2,520	147/\$2,520	For filing a request for reexamination		115/\$110	215/\$55	Extension for response within first month ¹		116/\$380	216/\$190	Extension for response within second month ¹		117/\$870	217/\$435	Extension for response within third month ¹		118/\$1,360	218/\$680	Extension for response within fourth month ¹		128/\$1,850	228/\$925	Extension for response within fifth month ¹		119/\$300	219/\$150	Notice of Appeal		141/\$1,210	241/\$605	Petition to revive unintentionally abandoned application		142/\$1,210	242/\$605	Utility Issue Fee (Or Reissue)		143/\$430	243/\$215	Design Issue Fee		122/\$130	122/\$130	Petitions to the Commissioner		123/\$50	123/\$50	Petitions related to provisional applications		126/\$240	126/\$240	Submission of Information Disclosure Statement		581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	40	146/\$690	246/\$345	Filing a submission after final rejection (37 CFR 1.129(a))		149/\$690	249/\$345	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify):				Other fee (specify):				SUBTOTAL (3)			(\$40)	(Col. 1)		(Col. 2)		(Col. 3)						For	No. of Existing Claims	minus*	Highest No. Previously Paid For	=	Extra**	x	Fee	=	Fee Due	TOTAL	15	minus*	20 or 0	=	0	x	18	=	0	INDEP	15	minus*	3 or 0	=	12	x	78	=	936	[] First presentation of multiple dependent claim									
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																																																																																																																		
101/\$690	201/\$345	Utility Filing	690																																																																																																																																																																																		
106/\$310	206/\$155	Design Filing																																																																																																																																																																																			
108/\$690	208/\$345	Reissue																																																																																																																																																																																			
114/\$150	214/\$75	Provisional Filing																																																																																																																																																																																			
SUBTOTAL (1)			(\$690)																																																																																																																																																																																		
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description																																																																																																																																																																																			
103/\$18	203/\$9	Claims in excess of 20																																																																																																																																																																																			
102/\$78	202/\$39	Independent claims in excess of 3																																																																																																																																																																																			
104/\$260	204/\$130	Multiple dependent claim																																																																																																																																																																																			
109/\$78	209/\$39	Reissue independent claims over original patent																																																																																																																																																																																			
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																			
Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due																																																																																																																																																																																		
105/\$130	205/\$65	Surcharge - late filing fee or oath																																																																																																																																																																																			
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet																																																																																																																																																																																			
147/\$2,520	147/\$2,520	For filing a request for reexamination																																																																																																																																																																																			
115/\$110	215/\$55	Extension for response within first month ¹																																																																																																																																																																																			
116/\$380	216/\$190	Extension for response within second month ¹																																																																																																																																																																																			
117/\$870	217/\$435	Extension for response within third month ¹																																																																																																																																																																																			
118/\$1,360	218/\$680	Extension for response within fourth month ¹																																																																																																																																																																																			
128/\$1,850	228/\$925	Extension for response within fifth month ¹																																																																																																																																																																																			
119/\$300	219/\$150	Notice of Appeal																																																																																																																																																																																			
141/\$1,210	241/\$605	Petition to revive unintentionally abandoned application																																																																																																																																																																																			
142/\$1,210	242/\$605	Utility Issue Fee (Or Reissue)																																																																																																																																																																																			
143/\$430	243/\$215	Design Issue Fee																																																																																																																																																																																			
122/\$130	122/\$130	Petitions to the Commissioner																																																																																																																																																																																			
123/\$50	123/\$50	Petitions related to provisional applications																																																																																																																																																																																			
126/\$240	126/\$240	Submission of Information Disclosure Statement																																																																																																																																																																																			
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	40																																																																																																																																																																																		
146/\$690	246/\$345	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																			
149/\$690	249/\$345	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																			
Other fee (specify):																																																																																																																																																																																					
Other fee (specify):																																																																																																																																																																																					
SUBTOTAL (3)			(\$40)																																																																																																																																																																																		
(Col. 1)		(Col. 2)		(Col. 3)																																																																																																																																																																																	
For	No. of Existing Claims	minus*	Highest No. Previously Paid For	=	Extra**	x	Fee	=	Fee Due																																																																																																																																																																												
TOTAL	15	minus*	20 or 0	=	0	x	18	=	0																																																																																																																																																																												
INDEP	15	minus*	3 or 0	=	12	x	78	=	936																																																																																																																																																																												
[] First presentation of multiple dependent claim																																																																																																																																																																																					

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Albert C. Smith	Reg. Number	20,355
Signature	<i>A.C. Smith</i>	Date	8/31/2000